

**DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION\***

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**MICROWAVE DC TO DC CONVERTER**

and for which a patent application:

☒ is attached hereto and includes amendment(s) filed on (if applicable)

☐ was filed in the United States on as Application No. (for declaration not accompanying application)

with amendment(s) filed on (if applicable)

☐ was filed as PCT international Application No. on and was amended under PCT Article 19 on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

PROVISIONAL APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

\* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

201	FULL NAME OF INVENTOR	LAST NAME AL-KURAN	FIRST NAME Shihab	MIDDLE NAME Ahmed
	RESIDENCE & CITIZENSHIP	CITY Green Brook	STATE OR FOREIGN COUNTRY New Jersey	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	STREET 507 Cardinal Lane	CITY Green Brook	STATE OR COUNTRY New Jersey
	SIGNATURE OF INVENTOR 201		DATE 8/22/01	
202	FULL NAME OF INVENTOR	LAST NAME SCHEINBERG	FIRST NAME Norman	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY South River	STATE OR FOREIGN COUNTRY New Jersey	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	STREET 24 New Street	CITY South River	STATE OR COUNTRY New Jersey
	SIGNATURE OF INVENTOR 202		DATE 8/22/01	
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 203		DATE	
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 204		DATE	
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 205		DATE	

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: AL-KURAN et al.

Application No.: To Be Assigned

Group Art Unit: To Be Assigned

Filed: To Be Filed

Examiner:

For: MICROWAVE DC TO DC CONVERTER

Attorney Docket No.: 7174-0134-999

**POWER OF ATTORNEY BY ASSIGNEE  
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints: S. Leslie Misrock (Reg. No. 18872), Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebe (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Todd A. Wagner (Reg. No. 35399), Scott B. Familant (Reg. No. 35514), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No.

POWER OF ATTORNEY

35679), Alan Tenenbaum (Reg. No. 34939), Michael J. Lyons (Reg. No. 37386), Garland T. Stephens (Reg. No. 37242) and William J. Sipio (Reg. No. 34514), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, all of Pennie & Edmonds LLP (PTO Customer No. 20583), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Pennie & Edmonds LLP as partner, counsel, or employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

An assignment of the entire interest in the above-identified subject application:

☐ was recorded on \_\_\_\_\_ at reel/frame \_/\_\_\_\_.

☒ is submitted herewith for recording.

Please direct all correspondence for this application to customer no. 20583.

ASSIGNEE: Anadigics, Inc.

Signature: \_\_\_\_\_

Typed Name: \_\_\_\_\_

Position/Title: \_\_\_\_\_

Address: 35 Technology Drive

Warren, New Jersey 07059

\_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Attorney Docket Number  
7174-134-999

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS  
Box Assignment  
Washington, DC 20231

Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):  <b>AL-KURAN et al.</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>ANADIGICS, INC.</u></p> <p>Address: <u>35 Technology Drive</u> <u>Warren, New Jersey 07059</u></p> <p>Country (if other than USA): _____</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <span style="margin-left: 100px;"><input type="checkbox"/> Merger</span></p> <p><input type="checkbox"/> Security Agreement <span style="margin-left: 100px;"><input type="checkbox"/> Change of Name</span></p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>August 22, 2001</u></p>	<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: <u>August 22, 2001</u></p> <p>A. Patent Application No.(s) _____ B. Patent No.(s) _____</p> <p align="center">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p><b>PENNIE &amp; EDMONDS LLP</b> 1155 Avenue of the Americas New York, NY 10036</p>	<p>6. Number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41):.....\$ <u>40.00</u> Please charge to the deposit account listed in Section 8.</p> <p>8. Deposit account number: <u>16-1150</u></p>
<p><b>DO NOT USE THIS SPACE</b></p>	
<p>9. Statement and signature.</p> <p><i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>David Carville, Reg. No. 46,600, for</u></p> <p><u>Barry D. Rein</u> <u>22,411</u> <u>Barry Rein</u> <u>August 22, 2001</u></p> <p>Name of Person Signing Reg. No. Signature Date</p> <p align="right">Total number of pages including cover sheet: <span style="border: 1px solid black; padding: 2px 10px;">2</span></p>	

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignment  
Washington, D.C. 20231

# ASSIGNMENT

WHEREAS, WE, Shihab AL-KURAN and Norman SCHEINBERG, ASSIGNORS, citizens of the United States, residing at 507 Cardinal Lane, Green Brook, New Jersey 08812 and 24 New Street, South River, New Jersey, 08882, respectively, are the inventors of the invention in MICROWAVE DC TO DC CONVERTER for which we have executed an application for a Patent of the United States

☒ which is executed on ☒ even date herewith or ☐ \_\_\_\_\_

☒ which is identified by Pennie & Edmonds LLP docket no. 7174-134-999  
☐ which was filed on, Application No. \_\_\_\_\_

and WHEREAS, ANADIGICS, INC., ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 8/22/01, 2001 [Signature] L.S.  
 Date 8/22/01, 2001 N. Scheinberg L.S.

State of \_\_\_\_\_ } SS.:  
 County of \_\_\_\_\_ }

On August 22, 2001, before me, Theresa S. Gauld, Notary Public, personally appeared Shihab Ahmed AL-KURAN, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Theresa S. Gauld  
 Notary Public

State of \_\_\_\_\_ } SS.:  
 County of \_\_\_\_\_ }

**THERESA S. GAULD**  
 NOTARY PUBLIC OF NEW JERSEY  
 Commission Expires 6/6/2005

On August 22, 2001, before me, Theresa S. Gauld, Notary Public, personally appeared Norman SCHEINBERG, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Theresa S. Gauld  
 THERESA S. GAULD